

## Career Summary

1915 Born in Little Falls, New York  
1937 **B.S.**, U.S. Military Academy  
1940 **M.S.**, in Civil Engineering, Cornell University  
**1942-45** Army Service Forces (Washington, **D.C.**)  
**1945-47** Manhattan District (Area Manager, Hanford, Washington)  
**1947-49** Armed Forces Special Weapons Project, Sandia Base, Albuquerque, NM  
1949-52 Okinawa Engineer District, Operations Officer  
1952-53 Student, Armed Forces Staff College  
1953-56 Research & Development Division, Office of the Chief of Staff, Logistics, Department of the Army  
1957-59 District Engineer, Pakistan (Trans.East District)  
**1960-63** Engineer Commissioner, District of Columbia  
**1963-65** Director of Military Construction, Office, Chief of Engineer  
1965-66 Commandant, Engineer School, Fort Belvoir, **Va.**, and Commanding General, U.S. Army Engineer Center  
**1966-69** Deputy Chief of Engineers  
1969-73 Chief of Engineers  
1973-76 Executive Director, National Commission on Water Quality  
**1973-** Consultant, **Tippetts**, Abbett, McCarthy, Stratton

## Commissions and Committees

Executive Committee, National Capital Area Council, Boy Scouts, **1961-**  
Member, National Capital Planning Commission, 1960-63, 1969-73  
Executive Committee, U.S. Committee on Large Dams, **1969-73**

## Professional Societies

Fellow, American Society of Civil Engineers  
Society of American Military Engineers (President, 1969-70)  
Member, National Society of Professional Engineers  
National Academy of Engineering  
American **Institute** of Architects (honorary)  
Honorary Member, American Public **Works** Association  
American Water Resources **Ass'n** (honorary)  
American Academy of Environmental Engineers.

# Promotion History

Grade	Temporary	Permanent
2nd Lieutenant		12 Jun 37
1st Lieutenant		12 Jun 40
Captain	1 Oct 40	
Major	9 Mar 42	
Lieutenant Colonel	22 Dec 42	
Colonel	15 May 45	
Lieutenant Colonel	1 Jun 46	
Captain		22 Jun 47
Major		15 Jul 48
Colonel	29 Jun 51	
Lieutenant Colonel		1 Jul 54
Brigadier General	1 Dec 60	12 Jun 62
Major General	1 May 64	22 Aug 67
	(DOR 1 July 59)	
Lieutenant General	1 Aug 69	
Retired	1 July 73	